

## Real-World Benefits to Commissioning

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## Introduction

- My Background
- Today's Goal: What commissioning can do you for your facility.
- Background of Audience



## Agenda

- Commissioning Overview
- Blackfeet Hospital Case Study
- Ft. Belknap Case Studies
- Lessons Learned
- Questions
- Approx. 30 minutes

## Overview

- Usually involves bringing in an independent engineering firm during the design phase through final construction.
- Design Phase – Extremely important to have well written specifications.
- Construction Phase – Functionally test and inspect the mechanical and electrical systems.



## Blackfeet Hospital Case Study

- Overview
- Commissioning Cost: \$33,000
- Immediate Savings: \$20,000
- Results



## Ft. Belknap Case Studies

- Hays Health Center
- Ft. Belknap Hospital
- Cost to IHS to date = \$300,000



## LESSONS LEARNED

- A B C Teams
- Subcontractors do not talk to each other.
- Controls are a large part of Commissioning
- We end up paying large amounts of money to correct deficiencies after everyone goes home.

## Summary

- Devils in the Details
- Pay now or Pay later



## Commissioning Resources

- <http://www.CtrlSpecBuilder.com>
- Model Commissioning Plan and Guide  
Commissioning Specifications, USDOE/1-800-553-6847 <http://www.peci.org>
- State of Montana  
<http://www.deq.state.mt.us/energy/buildings/index.asp>
- State of Florida <http://edesign.state.fl.us>
- GSA Providers <http://www.gsaadvantage.gov>